

## Product datasheet for **RC226835**

### ZNF844 (NM\_001136501) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF844 (NM_001136501) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF844
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC226835 ORF sequence, **codon optimized**.  
Due to the complexity of NM\_001136501, the ORF clone is codon optimized for mammalian Expression.  
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGATCTGGTTGCATTTGAGGACGTCGCGGTGAACTTTACACAAGAGGAATGGTCCCTCCTCGATCCGT  
CCCAGAAAACCTCTACAGGGAGGTTATGCAGGAAACGCTCCGAAACCTCGCATCAATCGGCGAGAAGTG  
GAAGGATCAGAACATCGAAGACCAGTATAAAAACCAAGAAACAATCTGCGGTCCCTGCTCGGGAAAGG  
GTCGACGAGAACCGGAAGAGAATCATTGTGGCGAAACATCAAGTCAGATCCCAGACGATACATTGAATA  
AAAAGACCTCACCGGCGTGAAGTCATGTGAGTCATCAGTTTGGCGTGAGGTCTTTGTTGGGCACCTTTC  
CTTGAACCGGCACATACGCGCCGACACCGCCACAAGCCATCTGAATACCAGGAATACGGGCAGGAGCCC  
TACAAATGCCAACAGCGCAAGAAGGCTTTTCGATGCCACCCGTCCTTTCAGATGCAAGAGAAGGCACATA  
CCGGCGAAAACTCTATGATTGTAAGGAATGTGGTAAAACCTTTCATCAGCCATAGCTCAATTCAGAGACA  
TATGATAATGCACAACGGGGACGGCACCTATAAATGTAAGTTCTGCGGCAAAGCCTGTCCATGTCTGTCA  
ATTTACCTTATCCATGAGCGAGTTCACACTGGAGAGAAGCCCTACAAATGCAAGCAGTGTGGGAAGGCTT  
TCAGCTATTCAACCTCCCTCCAGATTCAGAACGGACCCACACTGGGGAGAAGCCATACGAATGCAAAGA  
GTGCGGCAAAGCATTTCGGCAGCCCAATTCTCTATGAACATAGGCGGACTCATACCGGTGAAAAACCA  
TATGAGTGCAAGCAGTGCGGGAAAGCATTTCGGTGGTTTCACTCCTTCCAGATTCATGAGAGAACCCACT  
CAGAGGAAAAGGCTTATGAGTGTACCAAGTGCAGCAAGGCTTTAAGTGCCCTTCTACCTGTGCCGGCA  
TGAGGTTACTCACAGCGGAAAGAAGCCTTGTGAGTGTAAAGCAGTGCAGCAAGGCTCTGAGCTACCTGAAC  
TTTCAGCGGCACATGAAGATGCATACACGGATGCGACCCTACAAGTGCAAGACTGTGAAAAAGCCGCTGA  
TCTTGCCAGTGAGATTTGAAGACATGAAGGAACCTCACCTGGAAAGAACCTGATGAACGCCAGCACCGT  
CGTGAAGCCATCCATCGTGCCAGTCCCTTCCACCATCATGAAAGGACTGACCCTGGAGAGAAACCCATG  
AATGTAAGCTCAGTTGTGAAGCCTTCATCCTCCACTGCCATTCGACATTATGAAAGGGCTGACCCTTG  
AACGGAACCGAATGAGTGTGTCCAACGTGGGAAACCTTCTGACCTGCCACACTTTCAAGTGCATGGA  
GGGCTTGACCCTGAAGCGAAACCCCATGAATGTCTCCAGTGTGTCAAACCTCCTTCTTTCCGCTCCCC  
TTGACATCATGAAAGGACTTACCTTGGAAAGAAACCAATGAGCGTTTCCAACGTGCGGAAGCCCTCCC  
ATCTCCCCATACATTCAAGTGTATGAAAGGGCTGACGCTGGAGTCCAATTGCATGAATCTCAACAACGT  
GAAAAAACCGCTGGATCTGAGCGAGACATTCAAGTTTCAAGAGGCACACCTTGGAGAGGAACCCCATC  
AGAAATATGGAGAAGCATTCCACCATCAGCCTGCCCTTTAAGTACATGCAGCAGTGCACAGAAGATCGGA  
TGCCGATGAATGTAAGTCAGTGACCAAACTCCTACCTGCCTCGATCTTTTGAATATATGCAGGAACA  
CACTTTGGAGCGGAACCCATGAACGTGCGAAACGCCGAGAAGAGGTCCATTATATTTCTGCTGTGTGTG  
TACACAAAGGGATGCACACTTGAACGAAATCACATCAACGTGAGGATCGTGGGAAACACTCAGTGTGCC  
TGGTTCCTTTCGTTGACATCAAGGGACTGACTCTGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC226835 representing NM\_001136501  
Red=Cloning site Green=Tags(s)

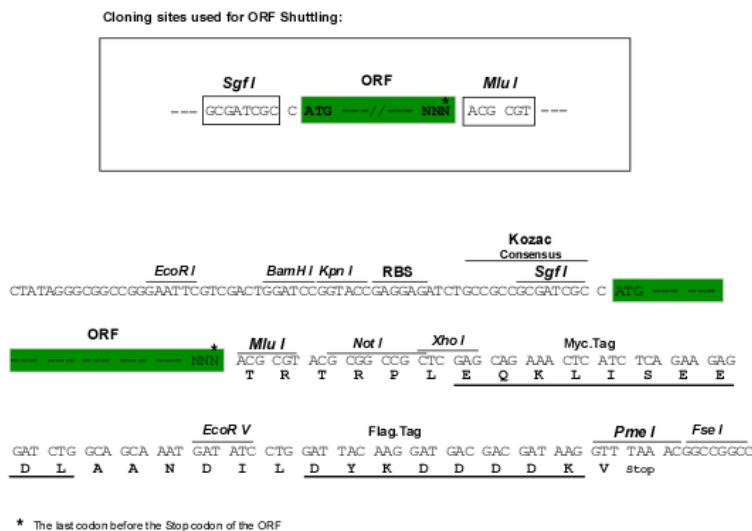
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MDLVAFEDVAVNFTQEEWSLLDPSQKNLYREVMQETLRNLASIGEKWKDQNIEDQYKNPRNLRSLGER
VDENTEENHCGETSSQIPDDLNNKTSFGVKSCESSVCGEVFVGHSSLRNHRADTAHKPSEYQEYQEP
YKCQQRKKAFRCHPSFQMQEKAHTGEKLYDCKECCGKTFISHSSIQRHMIMHNGDGTYYKCKFCGKACPCLS
IYLIHERVHTGEKPYKCKQCGKAFSYSTSLQIHERHTHTGEKPYECKECCGKAFGSPNSLYEHRRTHTGEK
YECKQCGKAFRWFHSFQIHERTHSEEKAYEYCKGKAFKCPSYLCRHEVTHSGKKPCECKQCGKALSYN
FQRHMKMHRMRPYKCKTVEKPLILPVRFEDMKELTLERNLMNASTVVKPSIVPVPTIMKGLTLERNPM
NVSSVVKPSFLPLPFDIMKGLTLERNRMSVSNVGKPSDLPHTFKCMEGLTLKRNPMNVSSVVKPSFFPLP
FDIMKGLTLERNPMSVSNVGKPSHLPHTFKCMKGLTLESNCMNLNNVKKPLDLSETFKFMKRHTLERNPI
RNMEKHSTISLPFKYMQQCTEDRMPMNKSVTKHSYLPKRSFEYMQEHTLERNPMNVRNAEKRSIIIFLLCV
YTKGCTLERNHINVRIVGKHSVCLVPFVDIKGLTLE
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001136501

**ORF Size:** 1998 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001136501.1](#), [NM\\_001136501.2](#), [NP\\_001129973.1](#)

**RefSeq Size:** 6588 bp

**RefSeq ORF:** 2001 bp

**Locus ID:** 284391

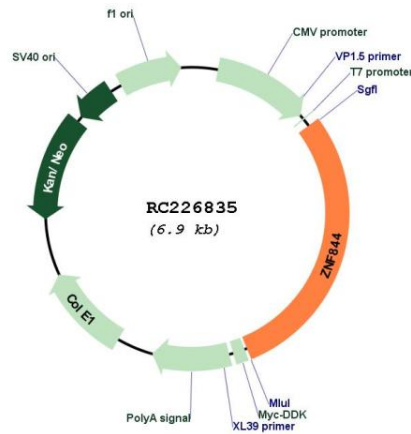
**UniProt ID:** [Q08AG5](#)

**Cytogenetics:** 19p13.2

**MW:** 76.9 kDa

**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC226835